Spatial Intelligence inside eMaint

Leading Edge Technology for Asset Reliability from NavVis

Speaker Bio

Conner Rivard
Sr. Customer Success Manager, eMaint

- Customer Success Manager with eMaint for two years

- Tier 1 Customer Support Specialist for nine months

- Previous roles in Marketing/Advertising

- Graduated from Clemson University in 2015 with a bachelor's degree in Marketing

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Speaker Bio

Emad Jooghi
Enterprise Project Manager, NavVis

- Over two years at NavVis: focus on Digital Factory

- Background in Product Ownership field

- BS Industrial Engineering, MS in Sustainable Resource Management from Technical University of Munich

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Speaker Bio

Sebastian Schuster
Sr. UX Designer, NavVis

- Product designer at NavVis for two years

- More than 10 years of digital product design experience

- Location-aware technology specialist

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Agenda

Overview

Spatial Intelligence defined

NavVis IndoorViewer – eMaint integration demonstration

NavVis Mobile Solution demonstration

Q&A

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Overview

1   **NavVis (Munich, Germany): Spatial technologies innovators**

2   **Products include: M6, VLX, Indoor Viewer, cloud services**

3   **Applications:**

- **Effectively managing remote operations**
- **Planning and relocation of facilities**
- **Repair and maintenance processes**

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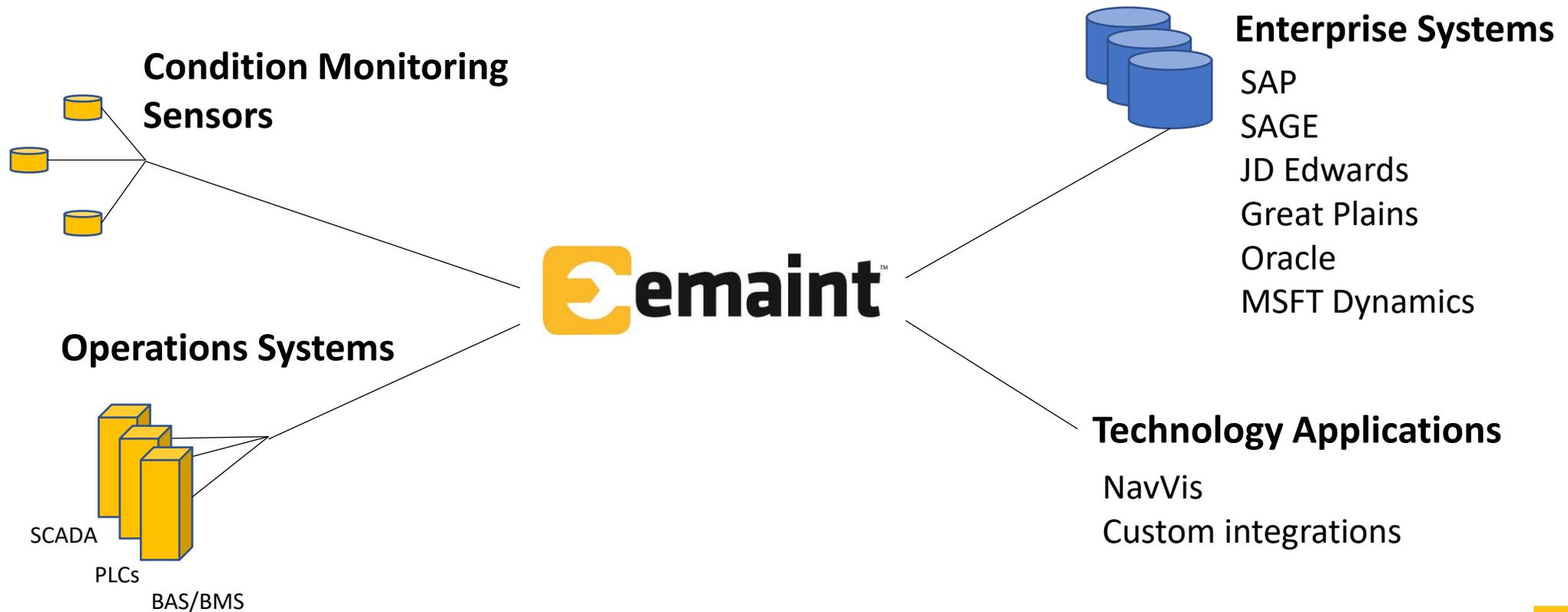
POLL QUESTION No. 1

?

Do you currently or are you considering using mobile mapping solutions?
(Click only one answer)

- Yes, we currently use a solution

- We are actively planning to do it soon

- We are interested in learning more

- Not sure what it is or why I should care

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eMaint and Technology Partners

1 **Integrating with other technologies is a focus for eMaint**

2 **Leveraging the versatility of eMaint**

Condition Monitoring Sensors

Enterprise Systems

SAP

SAGE

JD Edwards

Great Plains

Oracle

MSFT Dynamics

Operations Systems

emaint™

SCADA

PLCs

BAS/BMS

Technology Applications

NavVis

Custom integrations

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Power of Spatial Intelligence

1 **What is Spatial Intelligence?**

2 **Reality capture technology creates the factory digital twin**

3 **Significant efficiency gains to eMaint workflows**

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"**We're excited to combine the game-changing technological capabilities of spatial intelligence from NavVis with our powerful eMaint CMMS software.**"

-Xinia P. Davies
Corporate Engineering and Maintenance Manager, Americas
Henkel

NavVis Indoor Mobile Mapping Systems

Digital Total Laser Station *(Electronic)*
Digital Total Station

One position captures
captures several*
millions of points*
points

Mobile Mapping

Continuous mapping captures millions of points

2000s

2015+

*Source: „The Evolution of 3D Laser Scanning: Past, Present, and Predictions" by Trimble

NavVis Indoor Mobile Mapping Systems

NavVis VLX

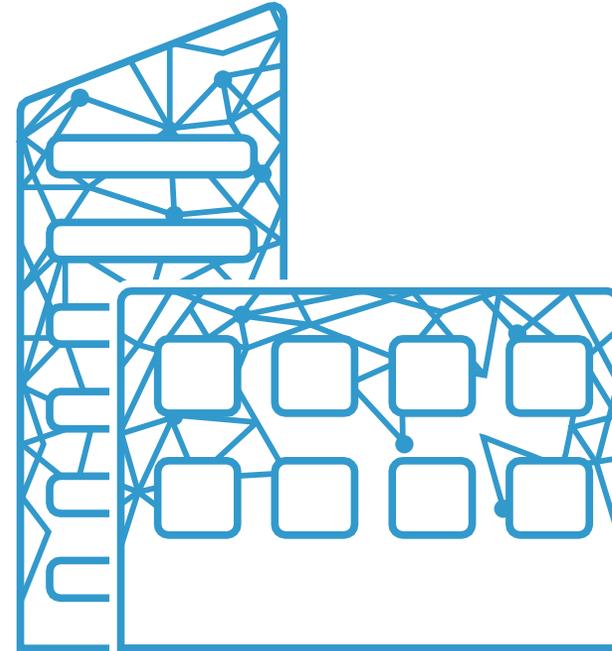Continuous mapping captures millions of points

2020+
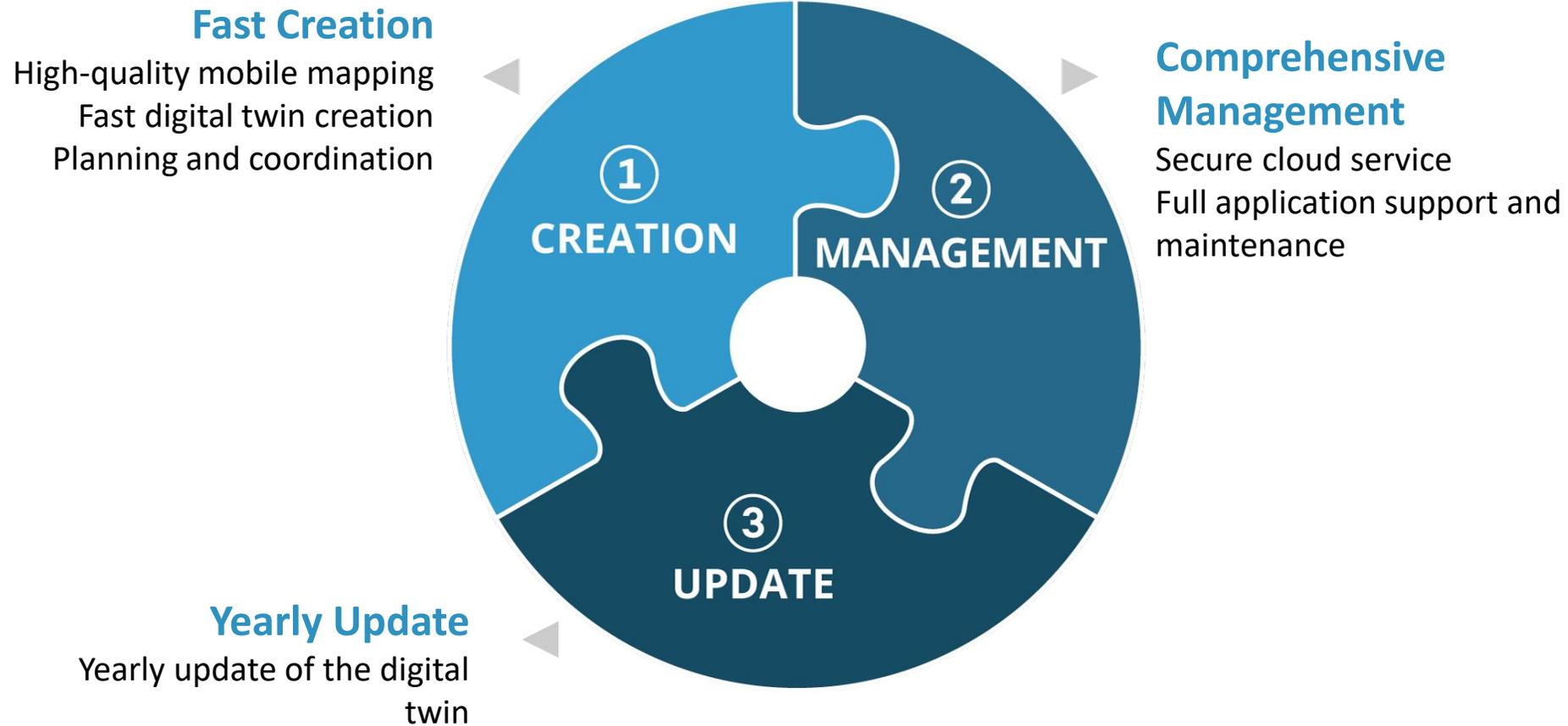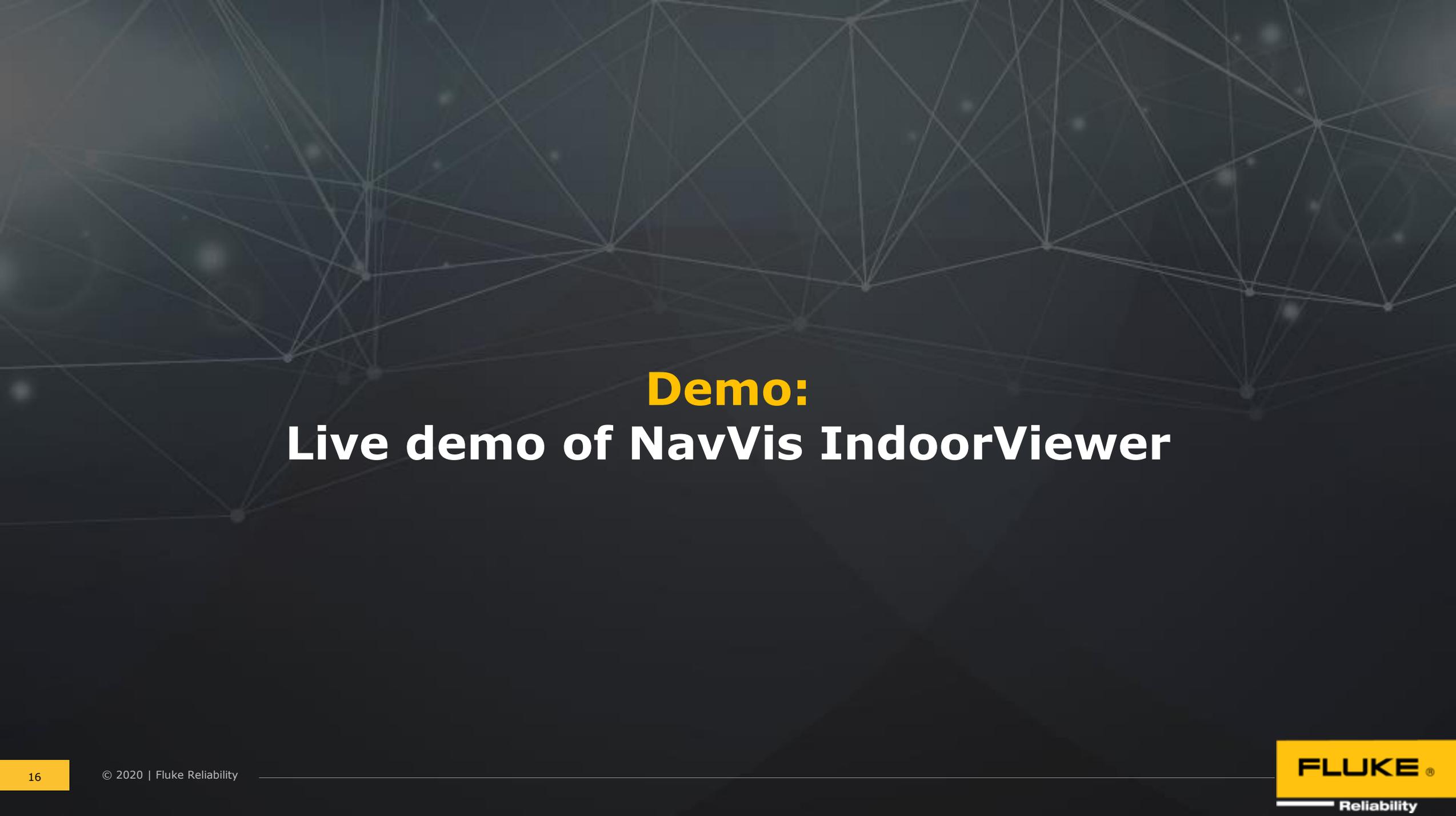
2020+

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NavVis Workflow Overview

How Does NavVis Deliver Spatial Intelligence to the Factory?

The NavVis Managed Digital Twin is
the NavVis enterprise services offering the
creation, management, and **update**
of a digital building twin on a yearly basis.

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How Does NavVis Deliver Spatial Intelligence to the Factory?

Fast Creation

High-quality mobile mapping
Fast digital twin creation
Planning and coordination

Comprehensive Management

Secure cloud service
Full application support and maintenance

① CREATION

② MANAGEMENT

③ UPDATE

Yearly Update
Yearly update of the digital twin

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Demo:
Live demo of NavVis IndoorViewer

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NavVis Mobile Solution
Bridging the gap between **Digital Twin** and the **Real World.**

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Overview of NavVis Mobile Solution Workflow

Summary

(1) **Managed Digital Twin Service to create 3D data of your facility**

(2) **Browse your digital twin and access your assets on NavVis IndoorViewer with eMaint integration**

(3) **Interact with the digital twin from your shop floor with the NavVis Mobile Solution**

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? **What do you see as the biggest benefit of the technology we have shown you?** **(Click only one answer)**

- Assisting technicians with identifying the correct asset

- Helping with asset tagging

- Ease of visibility and asset history at the click of a button without being there

- Pinpointing your location in a large environment

- Something else

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QUESTIONS?

?

Thank you!

Emad Jooghi

emadahmadi.jooghi@navvis.com

Enterprise Project Manager
NavVis

Sebastian Schuster

sebastian.schuster@navvis.com

Sr. UX Designer
NavVis

Conner Rivard

conner.rivard@fluke.com

Sr. Customer Success Manager
eMaint, Fluke Reliability

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Thank You

For more information, contact your Customer Success Manager

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Next webinar Dec. 15: Why you must rank your assets for 'criticalness'

BEST PRACTICE WEBINAR

Tuesday, Dec. 15, 11 a.m. ET

Why you must rank your assets for 'criticalness'

Typically within an organization, asset criticality is visualized on a ranked list known as an Asset Criticality Ranking. In this webinar, Fluke Reliability experts **Frederic Baudart** and **Gregory Perry** discuss "criticality" as one of the most misused terms in the maintenance reliability world.

Organizations often use this word when they really should be talking about "criticalness"—which more aptly describes the impact to an organization's safety, reliability, availability, and bottom line. Understanding criticalness will help maintenance and reliability teams focus their efforts where they are most needed. This concept becomes increasingly important when a company finds itself counting heavily on aging equipment for manufacturing and production.

Frederic Baudart   Gregory Perry

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DEMO

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www.fluke.com   1-800-850-4608

sales@accelix.com

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